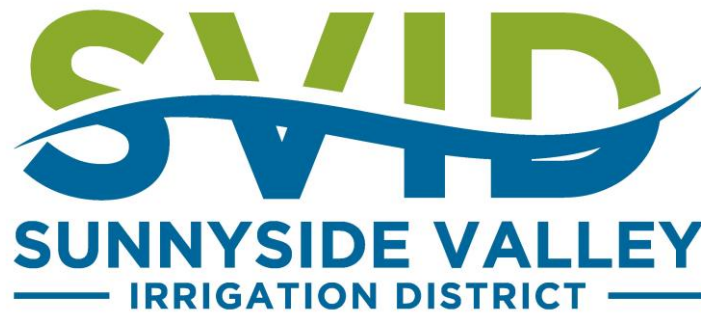


Sunnyside Valley Irrigation District

2024 Shotcrete/Concrete Material Bid Package



Sealed bids will be received until 11:00 am.
Thursday December 7th, 2023

at

Sunnyside Valley Irrigation District Field Office
1105 Yakima Valley Hwy.
P.O. Box 239
Sunnyside, WA 98944
509-837-6980

Project Contact: Gerardo Villalobos

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Sunnyside Valley Irrigation District
2024 Shotcrete/Concrete Materials Bid Package

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Instructions to Bidders

01. General

Contract documents and specifications are on file and may be reviewed at the Sunnyside Valley Irrigation District Field Office located at 1105 Yakima Valley Hwy, Sunnyside, WA 98944. Contract documents may be requested by phone: (509) 837-6980. Addenda will be e-mailed or faxed to bidders who have signed for or requested contract documents through this office. Addenda, if necessary, will be sent and posted no later than 10:00am on November 28th, 2023. Questions received after 3:00 pm on November 27th, 2023 will go unanswered.

02. Location & Delivery

At the suppliers' expense, the Supplier shall deliver the materials to two (2) locations within Yakima County. The locations are shown on the attached maps. Materials are to be delivered from January 2nd, 2024 to March 29th, 2024, Monday through Friday (excluding holidays). SVID will provide 24-hour notice requesting delivery of materials. At that time, exact location, delivery amount, and delivery time will be provided. Sunnyside Valley Irrigation District is exempt from Sales Tax.

03. Examination of Plans, Specifications and Site

Bidders shall satisfy themselves as to existing conditions by personal examination of plans, specifications and site of proposed delivery, and by any other examination and investigation which they may desire to make as to the nature of issues to be encountered.

04. Proposals

Proposals shall be made on the forms included herewith and shall be addressed to the Sunnyside Valley Irrigation District, 1105 Yakima Valley Hwy, PO Box 239, Sunnyside, WA 98944. Proposals shall be in a sealed envelope and shall be mailed or delivered to the above address to arrive not later than 11:00 a.m. on December 7th, 2023.

No proposal may be withdrawn after the time set for the bid opening or before award of contract unless said award is delayed for a period exceeding thirty (30) days.

05. Bid Proposal Deposit

As a guarantee of good faith and as required by law, each bid shall be accompanied by a bid proposal deposit in the form of a cashier's check or Bidder's bond, payable to the order of the Sunnyside Valley Irrigation District, for an amount not less than five (5) percent of the total amount of the bid. Deposits of the three low bidders will be retained until a contract has been entered into between the successful bidder and the Sunnyside Valley Irrigation District, and until a performance and payment bond in an amount of twenty-five percent (25%) of the contract price has been filed as required under these contract documents.

Deposits of other bidders will be returned as soon as it is determined that they are not one of the three low bidders.

06. Award of Contract

The successful bidder will not be selected until the Sunnyside Valley Irrigation District (Owner) is satisfied that the lowest responsible bidder can supply all the specified materials within the given timeframe. The award of the bid will be announced on Tuesday, December 12th, 2023. **Completion of the work within the time stated is essential.** Prior commitments of the bidder, failure to complete other work on time, or reasonable doubt as to whether the bidder would complete the work on time would be cause for the rejection of any bid. In addition, the Owner may determine any bidder not to be responsible in accordance with RCW 43.19.1911(9) and/or any other presiding legal authority. The right is reserved by Owner to waive any

irregularities in the bidding, to reject any or all proposals, to accept any proposal, to re-advertise for new proposals, or to otherwise carry out the work.

No bidder may withdraw their bid proposal after the time set for the opening thereof, or before award of contract, unless the award is delayed for a period exceeding thirty (30) days. No alterations to the bid documents will be accepted. In the event of a tie, the successful bidder will be determined by the flip of a coin.

The following is applicable to federal aid projects: Sunnyside Valley Irrigation District, in accordance with Title VI of the Civil Rights Acts of 1964, 88 Stat. 352, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

07. Failure to Execute Contract

In the event the successful bidder fails to furnish an approved performance bond and to sign the contract within ten (10) working days after notification of award, an amount equal to five (5) percent of the amount of the bid shall be forfeited to Owner as liquidated damages. Said liquidated damages shall be paid from the check or bid bond filed by the bidder. Other proposals will then be reconsidered for award by Owner.

08. Corrections, Interpretations and Addenda

Any omissions, discrepancies or need for interpretation should be brought in writing to the attention of the Owner. Written addenda to clarify questions which arise will then be issued.

All interpretation or explanations of the contract documents shall be in the form of an addendum, and no oral statements by Owner, or other representative of Owner shall, in any way, modify the contract documents, whether made before or after awarding the contract.

09. Completion Time

Contractor shall be required to have the contract completed by March 29th, 2024.

10. Bidder's Responsibility Statement

It is the responsibility of each bidder to ascertain if the bid package contains all of the documents. If documents are missing, it is the sole responsibility of the bidder to contact the Owner to obtain the missing documents prior to bid opening time.

11. Bid Package Checklist

The Following are required as a minimum for a complete bid:

- Non-Collusion and Debarment Affidavit
- Bid Bond / Cashier's Check
- Signed Proposal Form
- Schedule of Prices
- Acknowledgement of Receipt of Addenda (if applicable)

12. Payment of Invoice

After acceptance of delivery of goods by SVID, the Supplier shall provide an invoice setting forth the quantity of goods delivered to SVID, the unit prices, and the total price. SVID will confirm the quantities delivered and for all invoices received by the end of the month will pay the invoice on the 10th day of the following month. The acceptance of delivery by the District shall not be deemed to be a final acceptance of the goods for any purpose, including defective or non-conforming goods.

NON-COLLUSION AND DEBARMENT AFFIDAVIT

STATE OF WASHINGTON
COUNTY OF _____

I, the undersigned, an authorized representative of _____
(Firm, Association or Corporation)

being first duly sworn on oath hereby certify that the bid submitted is a genuine and not a sham or collusive bid, or made in the interest or on behalf of any person not therein named; and I further state that the said firm, association or corporation (hereinafter referred to as "Firm") has not directly or indirectly induced or solicited any bidder on the above work or supplies to put in a sham bid, or any other person or corporation to refrain from bidding; and that said Firm, has not in any manner sought by collusion to secure to the Firm, an advantage over other bidder or bidders.

I further certify that, except as noted below, the Firm or any person in a controlling capacity associated therewith or any position involving the administration of federal funds; is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past 3 years; does not have a proposed debarment pending; and has not been indicted, convicted or had a civil judgment rendered against said person or Firm, by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years.

I further certify that all subcontractors providing work or purchases over \$25,000 meet the above conditions. I will document by using this form and the subcontractor signature block below.

Exceptions noted:

Bidder's Signature _____

I certify that I know or have satisfactory evidence that _____
signed this instrument, on oath stated that (he/she) was authorized to execute the instrument and acknowledged
it as the _____ (title) of
_____ to be the free and voluntary act of such party of the uses and purposes
mentioned in the instrument.

Dated:
Signature of Notary Public

(Seal or stamp) My appointment expires:

Sub Contractor Firm _____
Sub Contractor Signature _____

I certify that I know or have satisfactory evidence that _____
signed this instrument, on oath stated that (he/she) was authorized to execute the instrument and acknowledged
it as the _____ (title) of
_____ to be the free and voluntary act of such party of the uses and purposes
mentioned in the instrument.

Dated:
Signature of Notary Public
(Seal or stamp) My appointment expires:

Sunnyside Valley Irrigation District

120 S. 11th Street
P.O. Box 239
Sunnyside, WA 98944
(509) 837-6980

Proposal

To: **Sunnyside Valley Irrigation District**

The undersigned hereby certify that _____ ha__ personally read and thoroughly understand the specifications and contract governing the furnishing of materials and the method by which payment will be made for said work hereby propose__ to undertake to supply the materials embraced in this improvement in accordance with said specifications and contract documents, and at the attached schedule of rates and prices.

Note:

1. If the supplier is a co-partnership, so state, giving firm name under which the business is transacted.
2. If the supplier is a corporation, its duly authorized officials must execute this proposal.

(Supplier)

By: _____
(Authorized Officer)

(Address)

(Address)

(Date)

MATERIAL SPECIFICATIONS

CAST-IN-PLACE CONCRETE AND SHOTCRETE

2.02 CONCRETE AND SHOTCRETE MIX DESIGN

A. Design: Select and proportion ingredients using trial batches; sample, cure and test concrete mix through approved independent testing laboratory in accordance with ACI 211.1.

1. Concrete and Shotcrete Compressive Strength, F'c:
 - a. 4,000 psi at 28 days, unless otherwise shown.
 - b. Design lab-cured trial mix cylinders.
 - c. Use additional cement or cement plus fly ash above minimum specified if required to meet average compressive strength, F'cr.
 - d. Use F'cr as basis for selection of concrete proportions as set forth in ACI 301.
 - e. F'cr: Equal to F'c plus 1,200 when data are not Minimum Cement Content (or Combined Cement Plus Fly Ash Content When Fly Ash is Used).

B. Proportions:

1. Design mix to meet aesthetic and structural concrete requirements.
2. In accordance with ACI 211.1, unless specified otherwise.
3. Unless specifically stated otherwise, water-cement ratio (or water-cement plus fly ash ratio) shall control amount of total water added to concrete as follows:

Water-Cement Ratio		
Coarse Aggregate Size	Maximum W/C Ratio w/ Superplasticizer	Maximum W/C Ratio w/o Superplasticizer
1-1/2"	0.40	0.44
1"	0.40	0.44
3/4"	0.40	0.44
3/8"	0.40	0.44

4. Minimum Cement Content (or Combined Cement Plus Fly Ash Content When Fly Ash is Used):
 - a. 517 pounds per cubic yard for concrete with 1-1/2-inch maximum size aggregate.
 - b. 540 pounds per cubic yard for 1-inch maximum size aggregate.
 - c. 564 pounds per cubic yard for 3/4-inch maximum size aggregate.
 - d. Increase cement content or combined cement plus fly ash content, as required to meet strength requirements and water-cement ratio.

C. Admixtures:

1. Air Content: 4 to 6 percent when tested in accordance with ASTM C231

2. Fly Ash: Maximum 25 percent, minimum 15 percent of total weight of fly ash plus cement.
3. High Range Water Reducers (Superplasticizers): Use in all concrete. Control slump and workability to at least 4-1/2-inch slump at discharge into forms by adjusting high range water reducer at batch plant.
4. Synthetic Fiber Reinforcing:
 - a. Add 1.5 pounds minimum per cubic yard at the time shotcrete/concrete is batched.
 - b. Mix fibers into shotcrete/concrete in accordance with fiber manufacturer's instructions.

D. Slump Range at Site:

1. 4-1/2 inches minimum, 8 inches maximum for concrete with a high range water reducing admixture.
2. 3 inches minimum and 5 inches maximum for shotcrete without high range water reducing admixture.

E. Combined Aggregate Gradation:

1. For Concrete: Select one of the following gradations 1-1/2", 1", 3/4" shown in the following table.
2. For Shotcrete use the 3/8" gradation shown in the following table. No Angular Rock will be accepted, only Rounded Rock
3. Combined Gradation Limits: Limits shown are for coarse aggregates and fine aggregates mixed together (combined).

Sieve Sizes	Combined Gradation			
	Percentage Passing			
	1-1/2" Max.	1" Max.	3/4" Max.	3/8" Max.
2"	- 100	-	-	-
1-1/2"	95 - 100	100	-	-
1"	65 - 85	90 - 100	- 100	-
3/4"	55 - 75	70 - 90	92 - 100	-
1/2"	-		68 - 86	-
3/8"	40 - 55	45 - 65	57 - 74	-100
No. 4	30 - 45	31 - 47	38 - 57	95-100
No. 8	23 - 38	23 - 40	28 - 46	68-86
No. 16	16 - 30	17 - 35	20 - 36	47-65
No. 30	10 - 20	10 - 23	14 - 25	27-42
No. 50	4 - 10	2 - 10	5 - 14	9-20
No. 100	0 - 3	0 - 3	0 - 5	0-7
No. 200	0 - 2	0 - 2	0 - 2	0-2.5

2.04 CONCRETE MIXING

- A. General: In accordance with ACI 304R.

- B. Central Mixing in Plant:
 - 1. Ready-mixed concrete shall be supplied from a batch mixing plant.
 - 2. Transporting equipment shall consist of a ready-mixed truck operating as an agitator. ASTM C94 limits the volume of concrete charged into the truck to 80% of the drum or truck volume. Do not use nonagitating or combination truck and trailer equipment for transporting ready-mixed concrete.

- C. Aggregates: Thoroughly and uniformly wash before use.

- D. Admixtures:
 - 1. Air-Entraining Admixture: Add at plant through manufacturer-approved dispensing equipment.
 - 2. Water Reducers: Add prior to addition of high range water reducing admixture (superplasticizers).
 - 3. High range water reducing admixture (superplasticizers) and Air-Entraining Admixtures:
 - a. Add at concrete plant only through equipment furnished or approved by admixture manufacturer.
 - b. Accomplish variations in slump, working time, and air content for flowable mixes by increasing or reducing high range water reducing admixture (superplasticizers) dose or air-entraining admixture dose at ready-mix plant only.
 - c. Equipment shall provide for easy and quick visual verification of admixture amount used for each dose.
 - d. Add discharge amount to each load of concrete into separate dispensing container, verify amount is correct, and add to concrete.
 - e. Additional dosage of high range water reducing admixture (superplasticizers) may be added in field using manufacturer-approved dispensing when unexpected delays cause too great of slump loss.

2.05 SOURCE QUALITY CONTROL

- A. Cement: Test for total chloride content.

- B. Fly Ash: Test in accordance with ASTM C311.

- C. Batch Plant Inspection: Owner shall have access to and have right to inspect batch plants, cement mills, and supply facilities of suppliers, manufacturers, and Subcontractors, providing products included in these Specifications.
 - 1. Weighing Scales: Tested and certified within tolerances set forth in the National Bureau of Standards Handbook No. 44.
 - 2. Batch Plant Equipment: Either semiautomatic or fully automatic in accordance with ASTM C94.

PART 3 EXECUTION

3.01 PLACING CONCRETE

A. Discharge Time:

1. As determined by set time, do not exceed 1-1/2 hours after adding cement to water unless special approved time delay admixtures are used. Coordinate time delay admixture information with manufacturer and Owner prior to placing concrete.
2. Adjust slump or air content at Site by adding admixtures for particular load when approved by Owner. Then, adjust plant dosage for remainder of placement.
3. Batch Mixing Plant shall have the capacity and ability to supply one ready-mixed truck to the Site every fifteen (15) minutes consistently while pouring concrete or shotcrete.

3.02 MANUFACTURER'S SERVICES

A. Batch Plant Representative:

1. Observe how concrete mixes are performing.
2. Be present during first placement of each type of concrete mix.
3. Assist with concrete mix design, performance, placement, weather problems, and problems as may occur with concrete mix throughout Project.
4. Establish control limits on concrete mix designs.

SCHEDULE OF PRICES

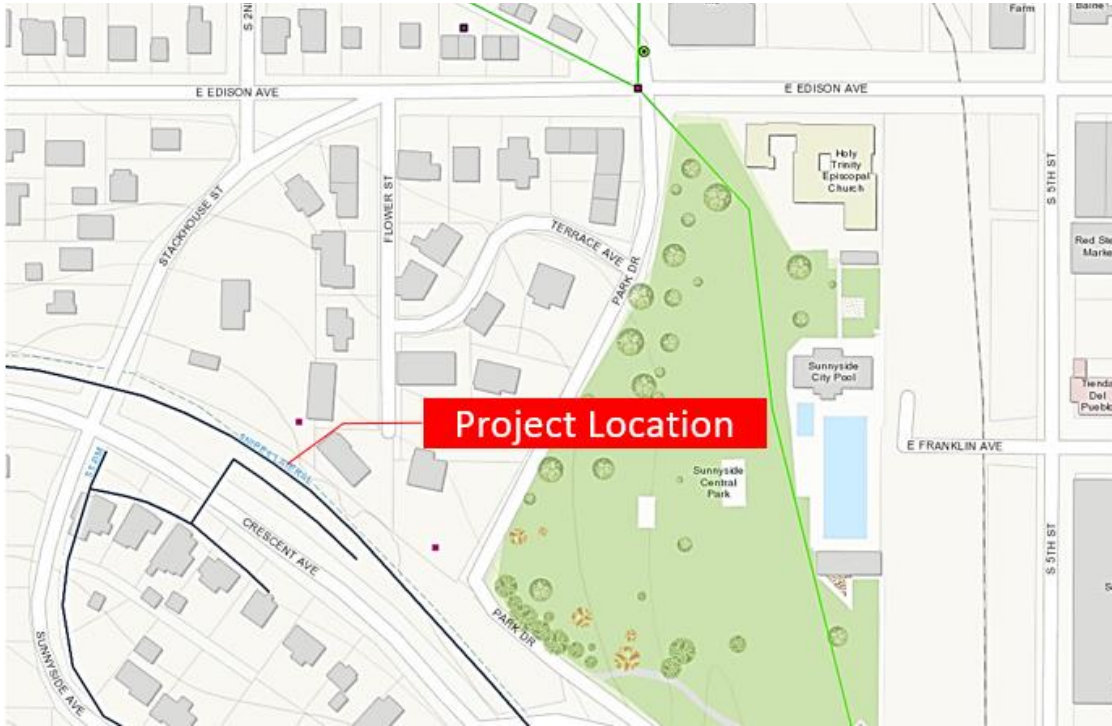
Sunnyside Valley Irrigation District 2024 Shotcrete/Concrete Materials Bid Package

Project	Delivered	Specification	Quantity	Unit	Price/cu yd	Total Price without tax
SVID 2024 Shotcrete	Multiple locations, see attached map	No superplastizicer required. See specs for details	510	cu yd	_____	_____
SVID 2024 Concrete	Multiple locations, see attached map	Add superplastizicer to all concrete. See specs for details	225	cu yd	_____	_____
					Total Bid	_____

Note: Hot water required during mixing. Please include this in the price per cubic yard.

Delivery Locations

Location (1) Snipes Lateral 6.21 – Closest Address : 512 Stackhouse St, Sunnyside WA 98944



Location (2) MB 5.09 – Closest Address : 27572 Sr 22, Mabton WA 98935

